

CLAIMS:

Claims 1 through 32 (Canceled)

33. (Previously presented) A method of treating vegetation comprising the step of applying to said vegetation an agrochemical composition comprising a chemical used in agriculture and a homogeneous liquid adjuvant comprising:

(a) greater than 5% and up to 75% by weight of one or more lipophilic solvents;

(b) one or more lipophobic plant nutrients present in an amount up to about 50% by weight; and

(c) a mixture of one or more cationic emulsifiers selected from the group consisting of cationic emulsifiers, emulsifiers which exhibit cationic characteristics in acidic conditions and mixtures thereof, present in an amount up to about 50%;

wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

34. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

(a) from 15 to 35% by weight of one or more mineral oils;

(b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions; and

(c) from 1 to 10% of one or more cationic emulsifiers selected from the group consisting of fatty amines, fatty amine oxides and mixtures thereof;

wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

35. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

(a) from 15 to 35% by weight of one or more mineral oils;

(b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions selected from ammonium sulfate, ammonium phosphate and mixtures thereof; and

(c) from 1 to 10% of one or more cationic emulsifiers selected from dimethylcocoamine, dimethylaurylamine oxide, alkyltrimethyl-ammonium chloride, alkyl dimethylbenzylammonium chloride, alkylpyridium chloride, alkylimidazolium chloride, or mixtures thereof;
wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

36. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

- (a) from 15 to 35% by weight of one or more mineral oils;
 - (b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions selected from ammonium sulfate, ammonium phosphate and mixtures thereof;
 - (c) from 1 to 10% of one or more cationic emulsifiers selected from dimethylcocoamine, dimethylaurylamine oxide, alkyltrimethyl-ammonium chloride, alkyl dimethylbenzylammonium chloride, alkylpyridium chloride, alkylimidazolium chloride, or mixtures thereof; and
 - (d) from 1 to 30% of one or more other components to improve the form of the composition;
- wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

37. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

- (a) from 15 to 35% by weight of one or more mineral oils;
- (b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions selected from ammonium sulfate, ammonium phosphate and mixtures thereof;
- (c) from 1 to 10% of one or more cationic emulsifiers selected from dimethylcocoamine, dimethylaurylamine oxide, alkyltrimethyl-ammonium chloride, alkyl dimethylbenzylammonium chloride, alkylpyridium chloride, alkylimidazolium chloride, or mixtures thereof; and
- (d) from 1 to 30% of one or more other components to improve the form of the composition selected from nonionic emulsifiers, co-solvents and mixtures thereof;

wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

38. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

- (a) from 15 to 35% by weight of one or more mineral oils;
- (b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions selected from ammonium sulfate, ammonium phosphate and mixtures thereof;
- (c) from 1 to 10% of one or more cationic emulsifiers selected from dimethylcocoamine, dimethylaurylamine oxide, alkyltrimethyl-ammonium chloride, alkyl dimethylbenzylammonium chloride, alkylpyridium chloride, alkylimidazolium chloride, or mixtures thereof; and
- (d) from 1 to 30% of one or more other components to improve the form of the composition selected from alkyl polysaccharides, sorbate emulsifiers, fatty alkanolamides, glycols and mixtures thereof;

wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

39 (Canceled)

40. (Canceled)

41. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

- (a) from 15 to 35% by weight of one or more alkyl esters of fatty acids;
- (b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions; and
- (c) from 1 to 10% of a mixture of two or more cationic emulsifiers selected from the group consisting of fatty quaternary ammonium chlorides, fatty amine oxides, fatty alkyldimethylamine salts of simple organic acids and mixtures thereof;

wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

42. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

- (a) from 15 to 35% by weight of one or more alkyl esters of fatty acids;
 - (b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions selected from ammonium sulfate, ammonium phosphate and mixtures thereof; and
 - (c) from 1 to 10% of a mixture of two or more cationic emulsifiers selected from the group consisting of fatty quaternary ammonium chlorides, fatty amine oxides, fatty alkyldimethylamine salts of simple organic acids and mixtures thereof;
- wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

43. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

- (a) from 15 to 35% by weight of one or more alkyl esters of fatty acids;
- (b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions selected from ammonium sulfate, ammonium phosphate and mixtures thereof;
- (c) from 1 to 10% of a mixture of two or more cationic emulsifiers selected from the group consisting of fatty quaternary ammonium chlorides, fatty amine oxides, fatty alkyldimethylamine salts of simple organic acids and mixtures thereof; and
- (d) from 1 to 30% of one or more other components to improve the form of the composition;

wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

44. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

- (a) from 15 to 35% by weight of one or more alkyl esters of fatty acids;
- (b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions selected from ammonium sulfate, ammonium phosphate and mixtures thereof;

(c) from 1 to 10% of a mixture of two or more cationic emulsifiers selected from the group consisting of fatty quaternary ammonium chlorides, fatty amine oxides, fatty alkyldimethylamine salts of simple organic acids and mixtures thereof; and

(d) from 1 to 30% of one or more other components to improve the form of the composition selected from nonionic emulsifiers, co-solvents and mixtures thereof; wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.

45. (Previously presented) A homogeneous liquid adjuvant for use with a chemical used in agriculture comprising:

(a) from 15 to 35% by weight of one or more alkyl esters of fatty acids;

(b) from 5 to 25% by weight of one or more ammonium salts of inorganic anions selected from ammonium sulfate, ammonium phosphate and mixtures thereof;

(c) from 1 to 10% of a mixture of two or more cationic emulsifiers selected from the group consisting of fatty quaternary ammonium chlorides, fatty amine oxides, fatty alkyldimethylamine salts of simple organic acids and mixtures thereof; and

(d) from 1 to 30% of one or more other components to improve the form of the composition selected from alkyl polysaccharides, sorbate emulsifiers, fatty alkanolamides, glycols and mixtures thereof;

wherein the cationic emulsifier acts as a coupling agent between the lipophilic solvent and the lipophobic plant nutrient to form a homogeneous liquid composition.